

07/20/98

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	HYP-043 (4527/52)
First Named Inventor	Zhipeng Lu, et al.
Title	Electrode for a Plasma Arc Torch Having an Improved Insert Configuration
Filing Date	Herewith

PTO  
109/116/63  
U.S.

07/20/98

**APPLICATION ELEMENTS****ADDRESS TO: Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231**

1. ☒ Fee Transmittal Form
2. ☒ Specification and Drawings [Total Pages 17]  
10 - Specification - ( pages)  
06 - Claims - ( pages)  
01 - Abstract - ( page)  
03 - Sheets of Drawings - ( sheets)  
☐ Formal  
☒ Informal
3. ☐ Oath or Declaration [Total Pages ]  
a. ☐ Newly executed (original)  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 16 completed)  
[Note Box 4 below]
4. ☐ Incorporation by Reference (usable if Box 3b is checked)  
The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 3b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
5. ☐ Microfiche Computer Program (Appendix)
6. ☐ Nucleotide and/or Amino Acid Sequence Submission  
☐ Computer Readable Copy  
☐ Paper Copy (identical to computer copy)  
☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)  
☐ Power of Attorney
8. ☐ English Translation Document (if applicable)
9. ☐ Information Disclosure Statement (IDS)/PTO-1449  
☐ Copies of IDS Citations
10. ☐ Preliminary Amendment  
☐ Drawings [Total Sheets ]  
☐ Letter to Official Draftsperson Including Drawings [Total Pages ]
11. ☒ Return Receipt Postcard
12. ☒ Small Entity Statement(s)  
☐ Statements filed in prior application, (Status still proper and desired)
13. ☐ Certified Copy of Priority Document(s)
14. ☐ Deletion of Inventor(s)  
Signed statement attached deleting inventor(s) named in the prior application.
15. ☐ Patent Application Data Entry Form
16. ☐ Other:

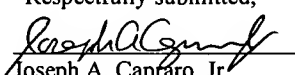
17. ☐ If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application Serial No. \_\_\_\_/\_\_\_\_.  
**Priority to the above application(s) is claimed under 35 U.S.C. 120.**  
Prior application information: Examiner: \_\_\_\_\_. Group/Art Unit: \_\_\_\_\_.

18. ☐ **Priority - 35 U.S.C. 119**  
☐ Priority of application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_ in \_\_\_\_\_ is claimed under 35 U.S.C. 119.  
☐ The certified copy has been filed in prior U.S. application Serial No. \_\_\_\_/\_\_\_\_ on \_\_\_\_\_.  
☐ The certified copy will follow.

**CORRESPONDENCE ADDRESS**

Direct all correspondence to: Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

**SIGNATURE BLOCK**

Respectfully submitted,  
  
Joseph A. Capraro, Jr.  
Attorney for Applicants  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110

Date: July 20, 1998  
Reg. No. 36,471  
Tel. No.: (617) 248-7369  
Fax No.: (617) 248-7100

**FEE TRANSMITTAL**

Note: Effective October 1, 1997.  
Patent fees are subject to annual revision

Complete if Known

Application Serial Number	
Filing Date	Herewith
First Named Inventor	Zhipeng Lu, et al.
Group Art Unit	
Examiner Name	
Attorney Docket No.	HYP-043 (4527/52)

**METHOD OF PAYMENT**

1. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other
2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below to Deposit Account No. 20-0531.  
☐ Required Fees (copy of this sheet enclosed).  
☒ Additional fee required under 37 CFR 1.16 and 1.17.  
☒ Overpayment Credit.

**FEE CALCULATION****1. FILING FEE****Large Entity**

Fee (\$)	Fee Description	Fee Paid
790	Utility filing fee	790.00
330	Design filing fee	
150	Provisional filing fee	

	Number Filed	Number Extra	Rate	Amount
Total Claims	34	- 20 = 14	x \$ 22.00 =	308.00
Independent Claims	4	- 3 = 1	x \$ 82.00 =	82.00
<input checked="" type="checkbox"/> Multiple Dependent Claim(s), if any \$270.00 =				270.00
<b>TOTAL:</b>				1,450.00
<b>SMALL ENTITY DISCOUNT:</b>				725.00
<b>SUBTOTAL (1)</b>				<b>(\$)</b> 725.00

**2. AMENDMENT CLAIM FEES**

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
Total	-	=	x \$ 22.00 =	
Indep.	-	=	x \$ 82.00 =	
<input type="checkbox"/> First Presentation of Multiple Dep. Claim + \$270.00 =				
<b>TOTAL:</b>				<b>(\$)</b>
<b>SMALL ENTITY DISCOUNT:</b>				<b>(\$)</b>
<b>SUBTOTAL (2)</b>				<b>(\$)</b>

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or	
130	130	Non-English specification	
2,520	2,520	For filing a request for reexamination	
110	55	Extension for reply within first month	
400	200	Extension for reply within second month	
950	475	Extension for reply within third month	
1,510	755	Extension for reply within fourth month	
2,060	1,030	Extension for reply within fifth month	
310	155	Notice of Appeal	
310	155	Filing a brief in support of an appeal	
270	135	Request for oral hearing	
130	130	Petitions to the Commissioner	
50	50	Petitions related to provisional applications	
240	240	Submission of Information Disclosure Statement (37 CFR 1.97(c))	
130	130	Submission of Information Disclosure Statement (37 CFR 1.97(d))	
790	395	Filing a submission after final rejection (37 CFR 1.129(a))	
790	395	For each additional invention to be examined (37 CFR 1.129(b))	
		Other (Specify)	

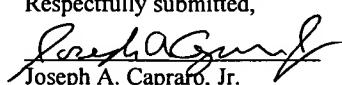
**SUBTOTAL (3)** **(\$)****SUBTOTAL (1)** 725.00**SUBTOTAL (2)****SUBTOTAL (3)****TOTAL** **(\$)** 725.00**CORRESPONDENCE ADDRESS**

Direct all correspondence to:

Patent Administrator  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower  
 125 High Street  
 Boston, MA 02110  
 Tel. No.: (617) 248-7000  
 Fax No.: (617) 248-7100

**SIGNATURE BLOCK**

Respectfully submitted,  
 Date: July 20, 1998  
 Reg. No. 36,471  
 Tel. No.: (617) 248-7369  
 Fax No.: (617) 248-7100

Respectfully submitted,  
  
 Joseph A. Capraro, Jr.  
 Attorney for Applicants  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower  
 125 High Street  
 Boston, MA 02110